THR TROH

VOL. XXXIV. No. 83.

BOSTON, MASS., MONDAY, JANUARY 18, 1915.

PRICE THREE CENTS

MANY ILLUSTRATIONS IN FEBRUARY MONTHLY

Seventh Issue Out Today-Wide Range Of Subjects Covered.

The February issue of the Technology Monthly and Harvard Engineering Journal will be placed on sale today. The issue covers a field as wide if not wider than any other college magazine. The first article is by Mr. Allen Chamberlain, of Boston. His theme is, "Controling Our Streams by Forestry," and the illustrations for this one article alone include three half-page and one full page halftones and two double page lithographed maps. Three of the photographs were furnished for this article by the United States Forestry Service. So much attention was attracted in the forestry circles to the prospectus of this article that orders for reprints were placed just after the issue went to press.

Aroused by Major Cole's article in the January issue of the Monthly, one of the Seniors of the Institute has written a seven page protest against the Military spirit which prevails at the present time. Although the Editors of the Monthly disclaim any responsibility for the ideas expressed, they comment with favor on the manner of the expression. In so doing, they also issue a call for articles of similar nature stating that the stand taken by the author does not in any case prohibit publication of the ar-.ticle.

(Continued on Page Two)

GYMNASIUM TEAM

Call For Assistant Managers At Gym Today.

On account of the increase in the number of candidates for the Gym team it has been necessary to issue a call for assistant managers, and every student is eligible. All those desiring to compete are to meet in the Gym today at 5 P. M. The Gym team has shown marked improvement, and after the Mid-year vacation, meets will be held with Amherst, Worcester, Brown and Springfield Training School. Twenty candidates have been reporting regularly, and Manager Hunt considers the prospects for the future to be very good.

WIRELESS SOCIETY

At the meeting of the Wireless Society held last Friday, a discussion of the different kinds of detectors used in wireless work was given by A. R. Morton, President of the Society. It was voted to have the names of the members inserted in Technique classified according to the Grade license they hold. The next meeting will be dollars per seat, may be made perheld Thursday, February eleventh. | sonally or by mail.

TECHNOLOGY DEFEATED BY AMHERST AGGIES

Game Fast, Rough and Exciting But Poor Ice Prevents. Good Skating.

The Tech Hockey Team, in their third game of the season, were defeated Saturday afternoon by the Massachusetts Agricultural School at Amherst in an exciting game. Poor ice prevented good skating but fast and rough playing made the game interesting from the start.

The first half opened with Amherst on the aggressive. times Johnson and Wooly of the Aggies, by long spurts, rushed the puck into the danger zone only to lose it through the excellent defence which Tech displayed. Toward the middle of the half, after the puck had been worked up to within a few feet of the Tech goal, Wooly of Amherst caged the disk out of a scrim-

(Continued on Page Three)

TALK ON ABRASIVES

Mr. J. G. Callan Traces History Öf Polishing Materials.

There were about thirty men present at the Chemical Society meeting last Friday night. Mr. J. G. Callan of the A. D. Little Co. addressed members on the subject of abrasives. He traced the development of the two types, those used for sharpening tools for metal cutting and those used in polishing sub stances, from the earliest times to the present. He described the manufacture of corborundum from sand and coke and of alundum, both of which are being used extensively now that the war has cut off the main supply of emery. He also told how quartz sand was used in the manufacture of polishing soaps and showed how important the kind of glue was to the sand paper manufacturers.

WANDERING GREEKS

Every Greek letter fraternity man from another college who is attending the Institute and who desires to have his name appear in Technique must leave his name, fraternity and college at the Cage for the Societies Editor of Technique before the midyears, as this is the latest date the page will be held open.

B. A. A. GAMES

A "Technology Section" will be reserved as usual at the B. A. A. Games February 6. Applications to F. H. Briggs, 10 High street, Boston, accompanied by check or cash at two

TECHNOLOGY GRAPPLERS BEAT BROWN MATMEN

Home Team Succeeds In Taking Every Bout In Sensational Meet Saturday.

Last Saturday night Technology's wrestling team defeated Brown University by a score of 7 to 0 in the most exciting match seen for a long time. While the match brought out little scientific wrestling it showed the power and speed behind the Technology team which is a long step toward success in future meets.

The best bout of the evening from the wrestling standpoint was that between Giles, of Technology, Storer, of Brown. Although Giles threw his man in the second period, Storer put up a great fight and showed more skill than any of his team-mates. The most spectacular bout was the one in which Wood, of Technology, defeated Blue, of Brown. Blue started things at a lively rate by throwing Wood over his head and around the mat generally. Wood, however, was not to be confused by these tactics and, watching his opportunity, threw Blue to the mat. Blue's strength made him a most formidable opponent, but Wood outguessed him and defeated him after period of work.

The first bout was in the 145-pound "Gaby" Goodell won a clear decision after 15 minutes of wrestling by remaining on top of Davenport, of Brown, the greater part of the time.

(Continued on Page Three)

SOCIETIES AND CLUBS

Technique Making Effort To Get Copy In By Mid-Years.

Copy has been coming in slowly for the Societies Department of Technique, although notices have been sent to all of the clubs and societies who had inserts in last year's book. Part of this year's book has already gone to press and those who have not as yet sent in their copy must do so immediately. Members of the professional societies who have not paid up their dues will not find their names among the lists of members unless the matter is attended to before midyears. Special arrangements may be made for copy that cannot come in until after mid-years if notice is given the Societies Editor.

E. E. SOCIETY

Owing to the proximity of the midyear exams the entertainment committeg of the E. E. Society has decided to cancel the regular meeting scheduled for Tuesday evening. Dr. Jewett of the Western Electric Co., who was to address the members, will do so at a later visit in the early part of lnext term.

CHESS TEAM PLAYS BAY STATE TEAM

Interesting Match At The Union Friday Evening-Score

A Tie 3-3.
Technology Chess Team played an interesting match at the Union Friday evening, with the Bay State Chess Team. The result was a draw, 3 to 3. Woodbridge won from-Daly, the Mass State champion, in seventy-two moves, while Pray played a draw with Kennard, the man who defeated the whole Technology Team last year in a simultaneous match. Dean wen from Taylor after a hard match and Kenigsberg succeeded in getting a draw with Sanger. Neumann and Johansen lost to Lee and Barry respectively. As a Techresult of the evening's play rology occupies fifth place in the Metropolitan League.

COMB. MUSICAL CLUBS

Necessity Of Attending Rehearsals Inotice Of Meeting.

At a meeting of the Combined Musical Clubs on Saturday it was decided that every man who is to go on the mid-year trip must attend all the rehearsals. The rehearsals will continue during examination week and the few days preceding the departure. The men are expected to remain in town: The Mandolin Club will rehearse at the Union and the Glee Club at Huntington Hall.

On Wednesday evening at 7.30 there will be an important meeting at the Union for the men who are to make the trip. No man is to be exused. Professors Russell and Bugbee will be present to offer some suggestions.

PROF. JAGGAR'S EXPLOITS

In the Scientific American Supplement for January 16, 1915, there is an article concerning the experiments of Professor Jaggar in the Hawaiian Islands.

Last year, football at the University of Missouri brought in total receipts of over \$18,000, of which \$8630 was clear profit.

CALENDAR

Monday, January 18, 1915. 1.10-1918 Tug-of-War Picture. Notman's.

5.00-Candidates for Manager Gym Feam. Gym.

Tuesday, January 19, 1915. 4.30-Mandolin Club Rehearsal. Room B, Union.

8.00-E. E. Society Meeting. Main Room, Union.

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Subscriptions within the Boston Postal District, and outside of the United States, must be accompanied by postage at the rate of one cent a copy.

MONDAY, JANUARY 18, 1915

IN CHARGE OF THIS ISSUE.

Editor: E. W. Rounds, '17. Associate: A. P. Sullivan, 17. Assistant: A. H. Wenzel, '17.

This year for the first time, the approach of the N. E. I. C. A. A. meet will see M. I. T. equipped with a track on which the event can be held, a track which is not merely adequate, but which is unquestionably the best, at least for sprints and hurdles in New England. It is our hope, and should be that of all loyal Tech men, that the New England meet in which we take so much interest may this year be hold on our home grounds.

The wish has many times been expressed in the Association that its annual contest might be staged by one of its own members. Our athletes and coach have long looked forward to the time when we could act as hosts to the New Englands. Since our fast track with its wide straightaways is far superior to that at the Stadium, and even to the one at Springfield where the meet was formerly held, there is no reason why the N. E: I A. A. should longer be beholden to a non-member for a place to hold its

The continued high quality maintained by the Technology Monthly, of which the February issue comes out today, is particularly gratifying in view of its recent establishment and the difficulties which such a publication must contend with at the Insti- Italian Wines tute. In scope of material it is inferior to no college publication in the country. Its educational value is broad as well as scientific. Most important Tel. Oxford 2942

FEBRUARY MONTHLY

(Continued from Page One)

A story on Wrestling also has a place in this month's issue. Ernest Palmer Giles, former state amateur champion of Texas writes on some of the holds in the game. Three photographic reproductions posed by the author and another wrestler illustrate the article.

The second installment of Professor Reeve's series on Thermodynamics and allied subjects is on Newtonian Mechanics. One full page diagram accompanies this chanter. Attention is called to the fact that a recent issue of the Scientific American Supplement also contained an article by this same Professor.

Another short humorous story entitled. "A Manipulator De Luxe" depicts some of the inside life at the Institute at a vacation house party It is illustrated by three drawings made especially for the Monthly by one of Life's illustrators.

Professor H. E. Clifford, of Harvard University and the Institute, has written on "Our Engineering Curricula." In his article, Professor Clifford says: "What can be said to support a system which requires our students to be intellectual acrobats, shifting their mental attitude and point of view with the sounding of the hour, and this from early morn to dewy midnight? One need not dig deep in the field of research in education to become painfully aware that the curricula of our engineering schools, excellent though they are in many re spects, lack in liberal flexibility and in a sound simplicity."

Announcement is made in the February issue which appears today, of articles for the March issue. Among these is one by Howard Elliott, Chairman of the Board of Directors of the New York, New Haven & Hartford Railroad. Others deal with a range of materials as wide as that of the current issue.

SWIMMING TEAM

Captain Foster of the Swimming Team requests every man retained on the squad to report regularly for practice, since the time before the Andover meet on Feb. 12, is limited. Time trials will be held during the next two practice sessions.

of all, it secures readers among the class of students who most need it by supplying genuine interest and entertainment. We hope it will be increas ingly appreciated as time goes on.

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BROWN DEFEATED

(Continued from Page One)

In the next bout "Scientific" Loo. Technology's 115-pounder, defeated Rice of Brown on decision after 15 minutes of strenuous work. During this bout Loo evidently did not like the work of the referee. "Doc" Provan, as he made a brave attempt to expectorate upon this unsuspecting personage. The next bout, in the 125pound class, was entirely footwork, executed in systematic fashion by "Skipper" Stebbins. After 15 min-"Skipper" utes of aggressive work, won the decision.

There were two bouts in the 135pound class. In the first of these 'Les" Hoffman showed great superiority over Waterman of Brown. In the first period "Les" nearly got a fall and in the second pinned Waterman to the mat by a half nelson and crotch hold. In the second bout, "Slicker" Giles went against Storer, the best of the Brown men. In the first period both men were on top part of the time, Giles having the edge. By skillful work in the second Stone & Webster period, "Slicker" pulled his man into a forward chancery and bar hold and got a fall.

Next came the bout in which "Jack" Wood defeated Blue in whirlwind manner. Blue started in to rush Wood off his feet but found that Wood could do a little rushing himself. After wrestling an extra period "Jack" got a well earned decision.

The last bout of the night was the one in which Captain Crowell defeated Ward of Brown in 12 minutes of fast work, "Brute's" arm was injured in practice during the week but his weight made up for this handicap which the Brown man evidently failed to discover. This bout was won by decision after Crowell had kept his man on the defence throughout.

AMHERST WINS

(Continued from Page One)

mage for the first score of the game.

During the second half the puck was in Technology's territory most of the time but the playing was considerably faster than during the first period. Johnson, playing goal for Tech, made several good stops but after about seven minutes of play Sernald of Amherst shot the disk into the net for the final score of the game. Wooly and Ross starred the winners, while Johnson, Gould and Fletcher excelled for Tech. Gould fractured his arm in the second period but kept on playing without making the fact known. The lineup:

TECH AMHERST Sernald, rw rw. Fletcher Wooly, lw lw, Keeler Johnson, r r, Cochrane Chisholm, c c, Coward Ross, cp cp, Woodward Archibold, p p, Gould Buttrick, g g, Johnson The score: 2-0. Gcals by Wooly and Sernald. Time: two 20-min, halves. Referee: Bacon of Amherst. Umpire: Needham of Springfield.

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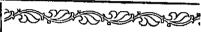
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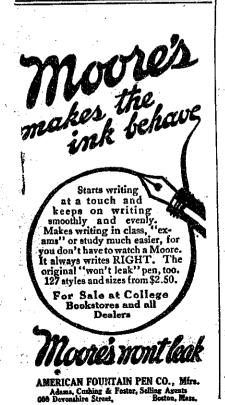
TWO SEPARATE TRIPS PLANNED THIS YEAR

Electrical Engineering Society
To Tour During Midyear
Vacation.

At the E. E. Society meeting last Saturday it was practically decided to run two separate trips, one to Niagara Falls and the other to Schenectady. The members of both groups will leave Boston in a body at 6 p. m., January 31st, for New York. Here the men will inspect the works of the Edison Co., the Western Electric Co., the Harrison Lamp Works and several other important industrial companies.

Both parties will travel together as far as Schenectady where a day and a half will be spent visiting the General Electric Co. and the American Locomotive Works. The two parties divide here, one going to Shelburne Falls and the other to Niagara Falls. The former group will bet back to Boston Friday night, while the other will not get back till Sunday morning. At Niagara Falls among the plants to be visited are the Ontario Power Co., the Niagara Falls Power and Light Co., the Hydro-electric Power Commission and the Carborundum Co.

Both of these trips are exceptionally well planned. The short one is an absolute certainty while from the number who have signified their intention of taking the other it is very probable that the longer one will be run also. Anyone who contemplates taking either trip is : equested to confer with the President of the society, K. K. Boynton. A meeting relating to the subject will be held next Thursday at 1 o clock in the E. E. library. A complete itinerary of both trips is posted on the billetin board outside of the same room. The faculty member of the party will be Professor Wickenden. trips are not restricted to members of the Electrical Engineering Society, but are open to all interested.



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Professor C. L. Norton.

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